



FAMILY & CONSUMER SCIENCES

HEALTH SCIENCE

SKILLED & TECHNICAL SCIENCES

MARKETING

INFORMATION TECHNOLOGY

BUSINESS

AGRICULTURE

TECHNOLOGY & ENGINEERING

KEY to the information in the CAREER CHARTS*

Star Rating

The Utah Department of Workforces Services created the star rating system to rank jobs based on both outlook (90 percent on the number of annual openings projected for the occupation, and 10 percent on the growth rate) and wages (median annual wages for the occupation in Utah). "Five Star" jobs are those with the strongest employment outlook and high wages, with four, three, two and one star ratings applied as the rankings go down. Please note, however, that occupations are grouped by training level and so the wages for a "high paying" job that requires just short-term on-the-job training, will not match the wages of a "high paying" job that requires a college education. In addition, a five star rating does not necessarily mean that a job will be easy to find since that will depend on the number of qualified applicants available to fill openings. Think "demand vs. supply."

Occupational Title & Description

Occupational titles and descriptions reflect information developed by the U. S. Department of Labor to use in the Occupational Information Network, also known as "O*NET." (<http://online.onetcenter.org/>)

Interest Code

Also known as "Holland codes," the interest codes assigned to occupations in the chart come from O*NET. You may have taken an interest assessment to help you understand your personal career interest code, and that will help you find occupations that are suited to your interests. For more information on "Realistic (R)," "Investigative (I)," "Artistic (A)," "Social (S)," "Enterprising (E)," and "Conventional (C)" interest types (and combinations thereof), talk to your school counselor and complete the Interest Profiler in UtahFutures.

Statewide Hourly Wages

The first amount listed in this column is for “inexperienced” workers and reflects the average wage of the bottom third of the people working in that occupation in Utah. The second amount in the column is the “median” wage, representing the middle wage in the full range of wages paid to workers in that occupation in Utah. Source of data: Utah Department of Workforce Services.

Utah Job Openings

This column reflects the average number of annual openings (total of openings due to growth, plus net replacement, 2006-16) that are pro-

jected for the occupation, as well the total number of people in Utah projected to be employed in this occupation by the year 2018 (reflecting the size of that occupation in Utah).

Source of data: Utah Department of Workforce Services.

**As a total group, the occupations reflected in this series of charts by Area of Study, reflect the large majority of the jobs in which people are employed in Utah.*

Education/ Training Level

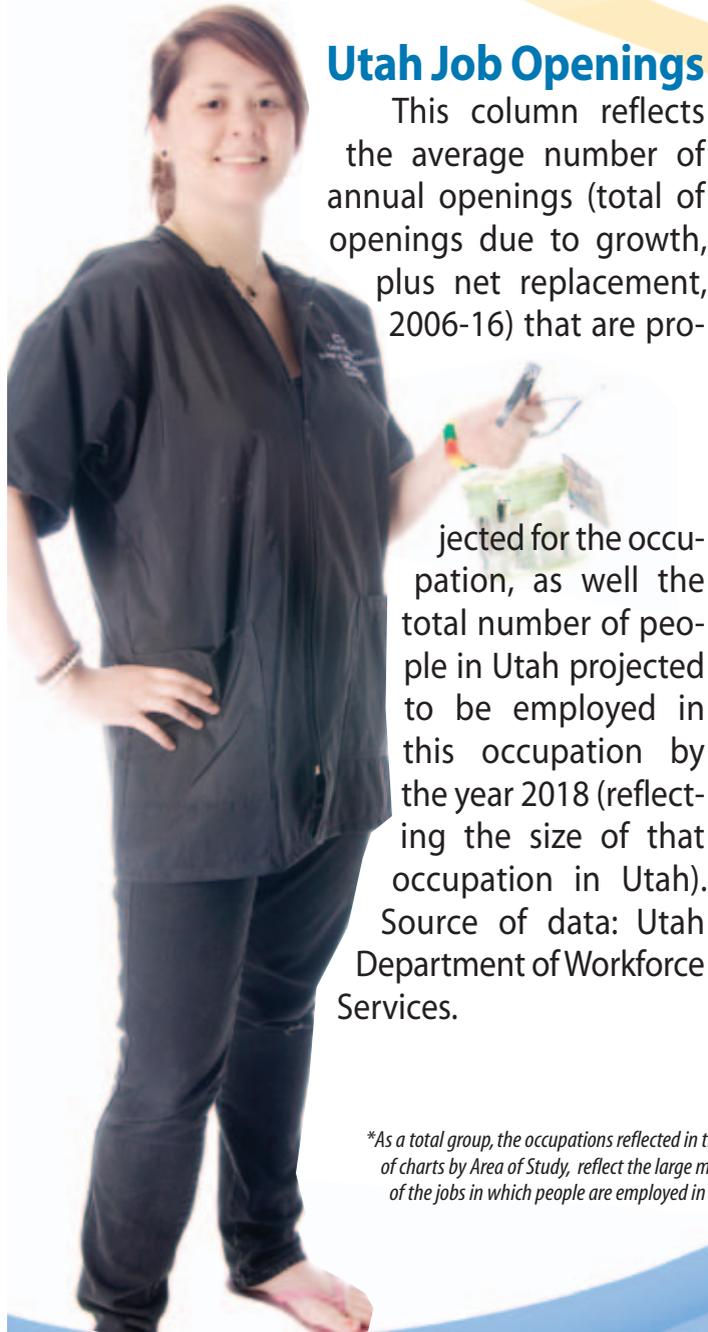
There are eleven levels of education and training defined by the U. S. Department of Labor to describe that level generally needed to qualify for employment. “Long-term” is training that lasts 12 months or more; “Moderate-term” lasts 1-12 months; and “Short-term” is under 0-1 month long. If you have questions about other terms used, talk to your counselor or consult the glossary in Utah-Futures. Source of Data: Utah Department of Workforce Services.

Other

Other interesting or important facts about the occupation; e.g., “Licensed” indicates that this is an occupation for which you must be licensed to practice in the state of Utah. (Full list of licensed occupations in Utah can be found at: <http://jobs.utah.gov/opencms/wi/pubs/licensedoccup>.)

Shaded Cells:

You may have noticed that some of the cells in “Wages,” “Job Openings” and “Training Level” are shaded. The shading indicates that this occupation meets the criterion for “High wage” (more than \$15.70/hour), “High Demand” (50 or more annual openings), and/or “High Skills” (training results in certification, licensure, or college degree), defined by the Utah State Office of Education.



HEALTH SCIENCE

Did you know?

The health care industry is robust and growing nationwide; however, it is actually experiencing a critical shortage of workers.

Learn More >
www.utahcte.org/career/health-science.php



Star Rating	Occupational Title & Description	Interest Code	Statewide Hourly Wages Inexperienced Median	Utah Job Outlook Openings Total Emp. 2018	Education/ Training Level	Other
****	Dental Assistant – Assists dentists by performing support duties for the treatment of patients during dental procedures.	CRS	\$10.11 \$13.55	300 Openings 6,419 Total	Moderate OJT	Licensed Nontraditional for men
*****	Dental Hygienist – Performs non-surgical dental treatments such as cleaning plaque from teeth and beneath the gums.	SRC	\$25.69 \$32.31	150 Openings 3,070 Total	Associate Degree	Licensed Nontraditional for men
*****	Dentist – Diagnoses and treats problems of the teeth and tissue of the mouth.	IRS	\$26.12 \$44.72	120 Openings 2,713 Total	Professional Degree	Licensed
***	Emergency Medical Technician and Paramedic – Administers first aid treatment and transports sick or injured persons to medical facility.	SIR	\$9.76 \$14.32	80 Openings 2,249 Total	Applied Technology	Licensed
*****	Family and General Practitioner – Diagnoses illnesses, and prescribes and administers treatment for people suffering from injury or disease.	IS	\$58.12 N/A	70 Openings 1,735 Total	Professional Degree	Licensed
*	Home Health Aide – Attends to the personal health needs of elderly, convalescent, or handicapped persons in their homes.	SR	\$8.27 \$10.02	520 Openings 10,669 Total	Short-Term OJT	Licensed Nontraditional for men

The U. S. Health Resources and Services Administration (HRSA) estimates that the nation's nursing shortage will reach more than one million nurses by the year 2020.

Star Rating	Occupational Title & Description	Interest Code	Statewide Hourly Wages Inexperienced Median	Utah Job Outlook Openings Total Emp. 2018	Education/ Training Level	Other
****	Licensed Practical Nurse – Cares for ill, injured, convalescent, and handicapped persons.	SR	\$14.53 \$18.79	160 Openings 3,194 Total	Applied Technology	Licensed Nontraditional for men
*	Massage Therapist – Massage customers for hygienic or remedial purposes.	SR	\$8.44 \$13.72	90 Openings 2,632 Total	Applied Technology	Licensed Nontraditional for men
*	Medical and Clinical Laboratory Technician – Perform routine medical laboratory tests for the diagnosis, treatment, and prevention of disease.	RIC	\$10.89 \$13.65	90 Openings 2,286 Total	Associate Degree	Licensed Nontraditional for men
***	Medical and Clinical Laboratory Technologist – Perform complex medical laboratory tests for diagnosis, treatment, and prevention of disease.	IRC	\$19.32 \$24.50	100 Openings 2,399 Total	Bachelor's Degree	Licensed Nontraditional for men
*****	Medical and Health Services Manager – Plans and coordinates medicine and health services in healthcare organizations.	ECS	\$27.45 \$39.03	120 Openings 3,176 Total	Experience + Bachelor's	
***	Medical Appliance Technician – Construct, fit, maintain, or repair medical supportive devices, such as braces and artificial limbs.	RIS	\$11.11 \$15.03	20 Openings 1,033 Total	Long-Term OJT	
****	Medical Assistant – Performs duties under the direction of a physician, in the examination and treatment of patients.	SCR	\$10.27 \$12.37	340 Openings 8,142 Total	Moderate OJT	Licensed Nontraditional for men
***	Medical and Public Health Social Worker – Assesses and counsels individuals and families with problems relating to finances, employment, etc.	SI	\$16.99 \$23.82	80 Openings 1,570 Total	Bachelor's Degree	Licensed Nontraditional for men

Shaded Cells:

You may have noticed that some of the cells in "Wages," "Job Openings" and "Training Level" are shaded. The shading indicates that this occupation meets the criterion for "High Wage" (more than \$15.70/hour), "High Demand" (50 or more annual openings), and/or "High Skills" (training results in certification, licensure, or college degree), defined by the Utah State Office of Education.

Star Rating	Occupational Title & Description	Interest Code	Statewide Hourly Wages Inexperienced Median	Utah Job Outlook Openings Total Emp. 2018	Education/ Training Level	Other
*	Medical Records and Health Information Technician – Compiles and maintains medical records of patients in healthcare facilities.	CE	\$10.52 \$13.78	100 Openings 2,433 Total	Associate Degree	Licensed Nontraditional for men
****	Medical Secretary – Performs secretarial duties in a health care setting. Uses specific medical terminology.	CS	\$10.11 \$12.85	370 Openings 8,987 Total	Applied Technology	Nontraditional for men
*	Nursing Aide, Orderly, and Attendant – Works under the direction of medical staff to care for patients in health care facilities.	SRC	\$8.99 \$10.73	490 Openings 13,259 Total	Short-Term OJT	Licensed Nontraditional for men
<p>Registered nurses hold a variety of qualifying degrees. Approximately 18 percent hold a nursing diploma, 34 percent hold an associate degree, 34.2 percent have a bachelor's degree, and 13 percent hold a master's degree or doctorate.</p>						
*****	Pharmacist – Prepares and dispenses medications, using prescriptions issued by authorized healthcare professionals.	ICS	\$37.44 \$51.56	100 Openings 2,621 Total	Professional Degree	Licensed
*****	Physical Therapist – Applies techniques and treatments that help relieve pain, increase strength for patients.	SIR	\$22.68 \$32.67	100 Openings 2,559 Total	Master's Degree	Licensed
*	Physical Therapist Aide – Prepares patients for and administers physical therapy treatments under direction of a physical therapist.	SR	\$8.03 \$9.44	70 Openings 1,335 Total	Short-Term OJT	Nontraditional for men
N/A	Psychiatric Technician – Provides nursing care such to mentally ill, emotionally disturbed, or mentally retarded patients.	SER	N/A	N/A	Moderate OJT	Nontraditional for men

Star Rating	Occupational Title & Description	Interest Code	Statewide Hourly Wages Inexperienced Median	Utah Job Outlook Openings Total Emp. 2018	Education/ Training Level	Other
*****	Radiologic Technologist and Technician – Takes X-rays and CAT scans of the human body. May operate computerized tomography scanners.	RS	\$15.78 \$21.65	70 Openings 1,918 Total	Associate Degree	Licensed
*****	Registered Nurse – Administers nursing care to ill or injured persons.	SIC	\$22.29 \$27.92	1100 Openings 27,885 Total	Associate Degree	Licensed Nontraditional for men
***	Surgical Technologists – Performs a variety of tasks in operating room - before, during, and after an operation.	RSC	\$13.57 \$16.62	40 Openings 853 Total	Applied Technology	Licensed



A Sample of Related Postsecondary Programs of Study

- Biotechnician Training
- Clinical Laboratory Sciences
- Dental Hygiene
- Emergency Care and Rescue
- Healthcare Coding and Classification
- Medial Assisting
- Nursing
- Radiography
- Surgical Technology

The Pathways

- Biotechnology
- Medical Office Administration Assistant
 - Dental
- Emergency Medical Technician (EMT)
 - Medical Assistant
 - Nursing
 - Pharmacy
- Surgical Technician
- Therapeutic Rehabilitation/Exercise

Additional Resources

www.schools.utah.gov/ate/HST/hosa.html

Health Occupations Students of America (HOSA) is the student leadership organization for Health Science Education.

UtahFUTURES.org
Career Information System

Access your SEOP and get detailed education and occupational information.